

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
30 June 2005 (30.06.2005)

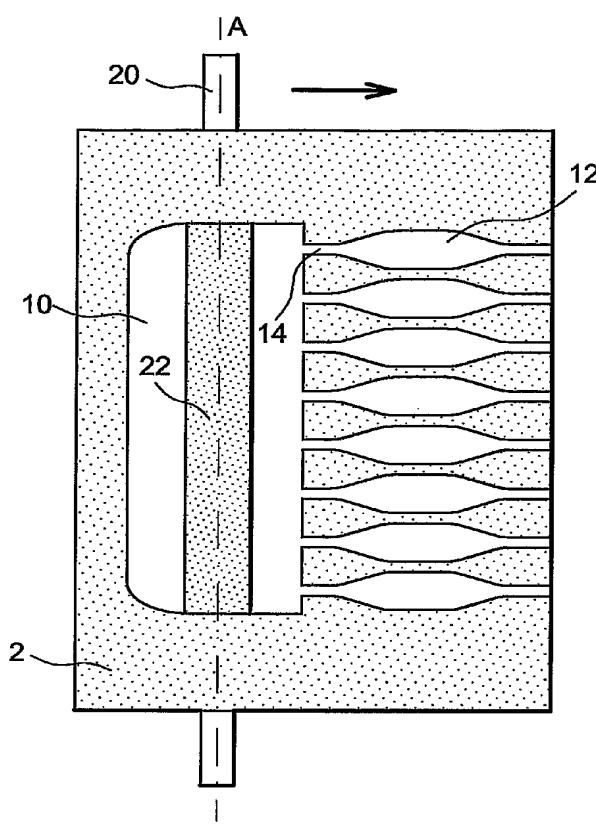
PCT

(10) International Publication Number
WO 2005/059085 A2

- (51) International Patent Classification⁷: **C12M 1/00**
- (21) International Application Number: PCT/EP2004/053411
- (22) International Filing Date: 13 December 2004 (13.12.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 03/51059 15 December 2003 (15.12.2003) FR
- (71) Applicants (for all designated States except US): **COMMISSIONNAT A L'ENERGIE ATOMIQUE [FR/FR]**; 31-33, rue de la Fédération, F-75752 Paris 15ème (FR). **BIOMERIEUX SA [FR/FR]**; Chemin de l'Orme, F-69280 Marcy L'Etoile (FR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **CAMPAGNOLO, Raymond** [FR/FR]; 72, rue des Eaux Claires, F-38100 Grenoble (FR). **JEANDEY, Christian** [FR/FR]; 15, chemin Fiancey Le Muret, F-38120 Saint-Egreve (FR). **GINOT, Frédéric** [FR/FR]; 32, rue Casimir Brenier, F-38120 Saint-Egreve (FR). **POUTEAU, Patrick** [FR/FR]; 10 allée Château Corbeau, F-38240 Meylan (FR).
- (74) Agent: **POULIN, Gérard**; Brevatome, 3, rue du Docteur Lancereaux, F-75008 Paris (FR).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,

[Continued on next page]

(54) Title: METHOD AND DEVICE FOR DIVISION OF A BIOLOGICAL SAMPLE BY MAGNETIC EFFECT



(57) Abstract: A method for dividing an analyte present in a solution and which is fixed on magnetic particles, is disclosed. It comprises sedimentation of the magnetic particles together with the separation into a plurality of residues. One of the preferred embodiments relates to: the formation of at least a residue (22, 30) of magnetic particles in a first receptacle (10); the displacement of the residue(s) towards a plurality of second receptacles (12), preferably by relative translation of a magnetic system (20, 24); the second receptacle(s) (12) being connected to the first receptacle (10) through a fluid channel (14). Devices to be used in these methods and systems for implementing the same are also disclosed.

WO 2005/059085 A2



TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

- (84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.